ABSTRACT

MATERIAL COMPRISING AN ORGANIC UV-A SCREENING AGENT AND PROCESS FOR SHIFTING THE MAXIMUM ABSORPTION WAVELENGTH

The present invention generally relates to a material capable of being obtained by the sol-gel route exhibiting a maximum absorption wavelength (λ_{max}) within the range from 370 to 400 nm, said material comprising at least one organic UV-A sunscreen agent having a λ_{max} of less than 370 nm, at least one metal alkoxide chosen from zirconium, titanium and aluminum alkoxides, at least one functionalized organic polymer or one precursor of such a polymer, or at least one functionalized silicone polymer or one precursor of such a polymer, at least one solvent and an amount of water sufficient for the partial and/or complete hydrolysis of the metal alkoxide and its condensation. The present invention also relates to a process for shifting, into the range from 370 to 400 nm, the maximum absorption wavelength of an organic UV-A sunscreen agent having a λ_{max} of less than 370 nm and to a cosmetic and/or dermatological composition for the photoprotection of the skin and/or keratinous substances comprising a material of the invention.